

Plug-and-Socket Hub Arrangement for Mounting Light Pipe to Receive Light

Abstract of the Disclosure

A hub arrangement for mounting light pipe to receive light includes a light pipe hub for 5 mounting at least one light pipe, with a plug-and-socket arrangement. The plug-and-socket arrangement includes (i) a socket in the light pipe hub for receiving a plug, and (ii) a plug for mounting a light pipe end that is to receive light. A fore end of the plug is receivable within the 10 socket. The plug has a channel for receiving the light pipe through an aft end of the plug. The hub arrangement may also include, if desired, a rod hub for mounting at least one thermally isolating, light-collection rod for receiving light from a light source. The hub arrangement allows easy and rapid coupling of light pipe to an illumination source, using a "plug-and-socket" feature. The hub arrangement may incorporate several safety features to prevent premature light pipe failure.